INTERNATIONAL SEARCH REPORT

International application NE P06795628
PCT/I 82006/052770

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B19/00 A61B6/12

According to International Patent Classification (IPC) or to both national classification and IPC

8. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) A61B A61N G21K G01T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/16965 A2 (TARGET LTD V [IL]; KIMCHY YOAV [IL]; AMRAMI RONI [IL]; BOUSKILA YONA [) 28 February 2002 (2002-02-28) page 27, line 25 - page 36, line 25	1-13,27
Y		31-34
X	US 2004/037394 A1 (KURODA YOSHIKATSU [JP] ET AL) 26 February 2004 (2004-02-26) the whole document	1-13,27
X	US 6 847 838 B1 (MACEY DANIEL J [US] ET AL) 25 January 2005 (2005-01-25) the whole document	27
X	WO 02/39142 A2 (MARCONI MEDICAL SYS INC [US] KONINKL PHILIPS ELECTRONICS NV [NL]) 16 May 2002 (2002-05-16) abstract; figures 4,5a	27
	-/	
[Tel]		

X See patent family annex.				
"T tater document published after the International filing date or priority date and not in conflict with the application but				
cited to understand the principle or theory underlying the invention				
"X" document of particular relevance; the claimed invention cannot be considered to				
involve an inventive step when the document is taken alone				
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the				
document is combined with one or more other such docu-				
ments, such combination being obvious to a person skilled in the art.				
"&" document member of the same patent family				
Date of mailing of the international search report				
1 1 SEP 2007				
Authorized officer				
Petter, Erwin				

INTERNATIONAL SEARCH BEPORT

International application (EP06795628 PCT/IB2006/052770

	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
itegory*	US 6 603 124 B2 (MAUBLANT JEAN [FR]) 5 August 2003 (2003-08-05)	1
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	US 3 777 148 A (MIRALDI F) 4 December 1973 (1973-12-04) column 4, line 33 - line 42; figure 3	14-19
	Column 4, line 35 - line 42, ligare 3	20-26
(US 5 933 517 A (GRANGEAT PIERRE [FR] ET AL) 3 August 1999 (1999-08-03) column 3, line 54 - column 4, line 27	14-19
(US 4 250 392 A (LEASK JOHN C [US] ET AL) 10 February 1981 (1981-02-10) abstract	14-19
(EP 0 273 257 A (SIEMENS AG [DE]) 6 July 1988 (1988-07-06) page 3, line 10 - line 18	14-17
(FR 1 561 351 A (COMMISARIAT A L'ENERGIE ATOMIQUE) 28 March 1969 (1969-03-28) the whole document	14-17
×	GB 2 330 263 A (BARR & STROUD LTD [GB]) 14 April 1999 (1999-04-14) abstract	14-19
Y	KIRSCH S ET AL: "REAL TIME TRACKING OF TUNOR POSITIONS FOR PRECISION IRRADIATION" CARS. COMPUTER ASSISTED RADIOLOGY AND SURGERY. PROCEEDINGS OF THE INTERNATIONAL CONGRESS AND EXHIBITION, PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON COMPUTER ASSISTED RADIOLOGY AND SURGERY, XX, XX, 24 June 1998 (1998-06-24), pages 262-264, XP001061283 the whole document	31-34

ISRCORR

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: 1-27, 31-34
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International Application No. PCT/ IB2006/05277

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13, 27

Angle responsive radiation sensor arranged to have a working volume of at least 10 cm in depth an having an angular width such that an accuracy of better than 3 mm over said working volume is achieved; method of designing a collimator leading to the required defined accuracy.

2. claims: 14-26

A radiation detector having multiple sections, and a collimator differentially collimating radiation on each of those sections such as to have multiple focusing points; method of designing a collimator having a linear-like angular response.

3. claims: 28-30

Collimator set comprising at least two collimators having different angular and/or depth ranges.

4. claims: 31-34

Method of tracking a radioactive object comprising the step of re-aiming the sensor according to angular offset by automatic circuitry.

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